

IN THE SPECIFICATION:

Page 1, below the title, and above line 1, please insert the following paragraphs:

--CROSS REFERENCE TO RELATED APPLICATIONS

C Applicant claims priority under 35 U.S.C. § 119 of German Application No. P42 22 289.3 filed July 7, 1992. Applicant also claims priority under 35 U.S.C. § 120 of U.S. patent Application Serial No. 08/362,604 filed March 22, 1996 which is a 371 of PCT/EP93/01711 filed July 2, 1993. The international application under PCT article 21(2) was not published in English.

BACKGROUND OF THE INVENTION

1. Field Of The Invention -.

Page 1, between lines 8 and 9, please insert:

--2. The Prior Art--.

Page 5, between lines 5 and 6, please insert:

--SUMMARY OF THE INVENTION--.

Page 14, between lines 24 and 25, please insert:

--BRIEF DESCRIPTION OF THE DRAWINGS

C2

FIG. 1 shows the relationship of the actual error rate of a natural replication system and the theoretical error threshold by schematically depicting the impact of the respective parameter of, q , m and s ;

FIG. 2 shows the construction of the precursor transcript having replicator property for the inhibition of the $\phi\beta$ -amplification in *E. coli*;

FIG. 3 shows the construction of the structure described in FIG. 2, which was integrated into a plasmid (Pas 43t);

FIG. 4 shows the blocking effect of the infiltrated nucleic acid sequence to the $\phi\beta$ -replication;

FIG. 5, upper part, shows schematically the enlargement of the quasi-species-distribution of a wild-type-population of a virus with proceeding replication time;

FIG. 5, lower part, shows resultant band pattern of the quasi-species distribution and precursor cloned segment subjected to temperature gradient gel electrophoresis; and

FIG. 6 shows an analysis of cloned polymerase genes by quantitative determination of the mutated synthesis products, using temperature gradient gel electrophoresis.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS +